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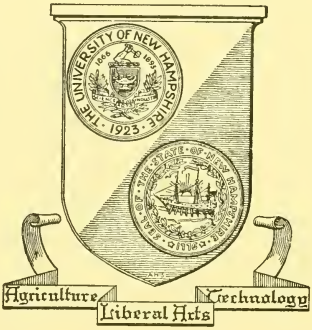

The University
of
New Hampshire

Bulletin 445 August, 1957

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

Results of Seed Tests for 1957

Made for the
STATE DEPARTMENT OF AGRICULTURE

by BESSIE G. SANBORN

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DURHAM, N. H.

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Granite State Press, Inc.
Manchester, N. H.

RESULTS OF SEED TESTS

Made July 1, 1956, to June 30, 1957

This report contains the results of the seed inspection work for the State Department of Agriculture of 680 official samples collected throughout the state during the period from July 1, 1956, to June 30, 1957, by Mr. George H. Laramie, Control Supervisor, and Mr. Daniel Graham, Inspector. In addition to these official samples, 1173 private samples were analyzed, making a total of 1853 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 189 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of Official Seed Analysts. If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory); if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 491 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and that there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "†" is listed as "mislabeled" even though it might in some cases be up to standard.

The New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:

STATE OF NEW HAMPSHIRE

CHAPTER 224, REVISED LAWS
(As inserted by Chapter 54 Laws of 1943)

AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale, of Agricultural and Vegetable Seeds.

Agricultural and Vegetable Seeds

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (Cirsium arvense), field bindweed (Convolvulus arvensis), and quackgrass (Agropyron repens).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (Cuscuta spp.) and crab grass (Digitaria sanguinalis).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompany-

ing and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. If present, the names of the kinds of secondary noxious-weed seeds and the rate of occurrence of each: (A) Per ounce in Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, Dallis grass, ryegrass, foxtail millet, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixture within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group. All determinations of noxious-weed seeds shall be subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seeds, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words, "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within the state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state:

I. To detach, alter, deface or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof,

unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for the purposes of this chapter.

VII. To co-operate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sow-

ing purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of test and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage.

Approved March 10, 1943.

RULES AND REGULATIONS

Sampling

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, bromegrasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

Analysis

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

Tolerance

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left(0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20% could test as low as 98.40% and be "satisfactory."

For germination: The following tolerances are applicable:

Mean:	Tolerance
96 or over	5
90 or over but less than 96	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Therefore, a sample of seed guaranteed 85% for germination may be as low as 77% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that, if present, the names of the kinds of secondary noxious weed seed and the rate of occurrence of each shall be stated: (A) Per ounce in Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, Dallis grass, ryegrass, foxtail millet, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixtures within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variation and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

Free Testing

The Seed Testing Laboratory will allow two free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of October, November, December and January. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or one sample for both purity and germination, free of charge. A given seed company will be entitled to two private tests without charge, but not two from each branch store. For numbers in excess of two, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all vegetable seeds, 30 cents;

Germination tests of all agricultural crop seeds and grasses, 50 cents;

Germination tests of mixtures, 50 cents for each kind of seed present;

Purity analyses of cereals, timothy and larger crop seeds and legumes, $1.00;

Purity analyses of small grasses, $2.00; unhulled redtop, $2.50;

Purity analyses of mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of $2.50.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analyses are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.
2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.
3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

Germination Standards for Vegetable Seed

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

Artichoke	60
Asparagus, including hard seeds	70
Beans, garden (varieties other than Rival, Topcrop and Logan)	75
Beans, garden (varieties Rival, Topcrop and Logan)	70
Beans, horse or broad	75
Beans, lima	70
Beans, runner	75
Beets	65

Broccoli	75
Brussels sprouts	70
Cabbage	75
Chinese cabbage	75
Carrot	55
Cauliflower	75
Celery and celeriac	55
Chicory	65
Citron	65
Collards	80
Corn	75
Cress, garden	60
Cress, water	40
Cucumber	80
Dandelion	45
Eggplant	60
Endive	70
Fetticus (cornsalad)	70
Kale	75
Kohlrabi	75
Leek	60
Lettuce	80
Muskmelon	75
Mustard	75
Okra	50
Onion	70
Parsley	60
Parsnip	60
Peas	80
Pepper	55
Pumpkin	75
Radish	75
Rhubarb	60
Rutabaga	75
Salsify	75
Sorrel	60
Soybean	75
Spinach (except New Zealand)	60
Spinach (New Zealand)	40
Squash	75
Swiss Chard	65
Tomato	75
Tomato, husk	50
Turnip	80
Watermelon	70

Labeling

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

John F. Doe Company
Greene, N. H.

Alsike Clover

Pure seed	98.65
Crop seed	.86
Weeds	.38
Inert matter	.11
Origin Idaho	
1 dodder per oz.	

Lot No. 243

Germination	80%
Hard seeds	7

Date of test Jan. (current year)*

Example for mixed agricultural seed:

John F. Doe Company
Greene, N. H.

Grass seed, mixed

Purity:	
Perennial rye grass	32.23%
Chewings fescue	18.08
Kentucky bluegrass	14.75
Canada bluegrass	15.37
Creeping bent	14.20
Crop seed	.61
Weed seed	2.07
Inert matter	2.69

5 Crabgrass per oz.

Lot No. 0236

Germination:	
92.5%	Jan. (current year)*
85.0%	Jan. (current year)*
80.0%	Jan. (current year)*
58.5%	Jan. (current year)*
84.0%	Jan. (current year)*

Example for vegetable seed:

(Up to standard)	New York Lettuce John Smith, Dale, Ill. Date of germination test: Feb. (cur. yr.)*
(For vegetable seed which germinates less than standard)	New York Lettuce John Smith, Dale, Ill. Date of germination test: Feb. (cur. yr.)* Germination 75% BELOW STANDARD

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

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* "Current year in this sample labeling means the month and year of the last germination test which must be stated and be within nine (9) months of the date the seeds are offered or exposed for sale. See par. 5 Section 1 of the law itself."

New Hampshire Experiment Station

AGRICULTURAL SEED INSPECTION, 1957

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
ALLEN, STERLING & LOTHROP, Portland, Me.									
Arthur L. Potter, Conway									
Buckwheat, No. 9382	6960	S	L	99.50	.04	.02	.44	90	
			F	S	S	S	S	S	
Red clover, No. 9512	6959	S	L	98.45	1.42	.10	.03	88	
			F	S	S	S	S	S	
ARTHUR R. CONE, INC., Buffalo, N. Y.									
Elm City Grain Co., Keene									
Birdsfoot trefoil, Imported, No. 42-159	6888	S	L	98.35	1.50	.05	.10	81	
			F	S	S	S	S	S	
Corn, Westbranch Sweepstakes, No. 80647	6700	S	L	99.75			.25	90	
			F	S			S	S	
Corn, King 300, No. 84T723	6701	S	L	99.75			.25	95	
			F	S			S	S	
Corn, Wisc. 335A, No. 84T696	6702	S	L	99.75			.25	90	
			F	S			S	S	
Ladino clover, No. 35-178	6699	S	L	99.91		.02	.07	76	
			F	S		S	S	S	
Red clover, Pennscott, No. 15-130	6698	S	L	99.90	.02		.08	90	
			F	S	S		S	S	
Reed Canary Grass, No. 4481	6697	S	L	99.51	.05	.10	.34	68	
			F	S	S	S	S	S	
Timothy, Climax, No. 10X456	6703	S	L	99.65	.15	.10	.10	90	
			F	S	S	S	S	S	
F. B. Spaulding Co., Lancaster									
Japanese Millet, No. 90X495	6935	S	L	99.40		.50	.10	81	
			F	S	S	S	S	S	
Redtop, No. 30-299	6934	S	L	93.00	.20	.70	6.10	90	
			F	S	S	S	S	S	

* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation. Note: L = Label; F = Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation.

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
Wayne Feed Supply Co., Inc., West Lebanon									
Alsike Clover, No. 25-642	6668	S	L	99.40	.40		.20	82	
			F	S	S	S	S	S	
Sweet Clover, No. 29X245	6669	S	L	99.60		.16	.24	66	
			F	S	S	S	S	S	
White Dutch clover, 32-179	6666	S	L	98.75	.80	.05	.40	80	
			F	S	S	S	S	S	
A. C. DICKINSON CO., Chicago **Granite State Feed Store, Hillsboro**									
Alsike Clover, No. 21622	6692	S	L	99.05	.55	.15	.25	80	
			F	S	S	S	S	S	
Bromegrass, Lincoln Type, No. 97149	6694	S	L	89.10	1.10	.60	9.20	85	
			F	S	S	S	S	S	
Red Clover, Medium, No. 24434	6693	S	L	99.66	.18	.06	.10	86	
			F	S	S	S	S	S	
Timothy, No. 66714	6691	S	L	99.70	.10	.05	.15	90	
			F	S	S	S	S	S	
A. C. DICKINSON CO., Chicago **E. C. & W. L. Hopkins, Greenfield**									
Alsike Clover, No. 21593	6981	S	L	98.75	.55	.25	.45	78	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Epsom									
Red Clover, Kenland, No. 024903, No. 1	6917	S	L	99.50	.30	.06	.14	76	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Pittsfield									
Red Top, No. 41719	6582	S	L	93.20	.60	.40	5.80	90	
			F	S	S	S	S	S	
EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass. **Belknap County Home, Laconia**									
Corn, Hybrid Mass. 63, No. 1237	6778	S	L	99.50			.50	92	
			F	S	S	S	S	S	
Mixture, Hay-Pasture No. 2, No. 1251	6777	S	L		.20	.15	.58		
			F		S	S	S		
Red Clover, Medium			L	25.00				82	
			F	S				S	
Alsike Clover			L	25.00				80	
			F	S				S	

Timothy			L	40.00				90
			F	S				S
Red Top			L	10.00				90
			F	S				S
Oats, Garry, No. 1224	6776	S	L	99.60	.03	.03	.34	90
			F	S	S	S	S	S
Coos County Farm, W. Stewartstown								
Corn, Wisc. 335 Hybrid, No. 2068	6948	S	L	99.50			.50	92
			F	S	S	S	S	S
Eastern States Farmers' Exchange, Claremont								
Birdsfoot Trefoil, Mansfield, No. 1296	6674	S	L	98.70	.80	.50	.10	53
			F	S	S	S	S	S
Corn, Penna. 444, No. 1243	6963	S	L	99.50			.50	90
			F	S	S	S	S	S
Red Top, Fancy Solid No. 49	6965	S	L	95.00	.25	.40	4.35	88
			F	S	S	S	S	S
Sorghum, Black Amber, No. 1282	6964	S	L	99.60	.05	.05	.30	92
			F	S	S	S	S	S
Soybeans, Lincoln, No. 21	6727	S	L	99.50	.05	.05	.40	85
			F	S	S	S	S	S
Eastern States Farmers' Exchange, Concord								
Bluegrass, Kentucky, No. 929	6536	S	L	89.00	.10	.30	10.60	80
			F	S	S	S	S	S
Field Peas, Chang, No. 880	6541	S	L	98.60	1.36		.04	90
			F	S	S	S	S	S
Oats, Ajax, No. 225	6538	S	L	99.50	.05	.05	.40	90
			F	S	S	S	S	S
Oats, Clarion, No. 898A	6539	S	L	99.60	.05	.06	.29	90
			F	S	S	S	S	S
Orchard Grass, No. 1285	6544	S	L	86.85	.03	.10	13.12	84
			F	S	S	S	S	S
Red Clover, Pennscott, No. 163	6540	S	L	99.55	.20	.05	.20	60
			F	S	S	S	S	S
Red Fescue, Creeping, No. 71	6537	S	L	97.50	.55	.05	1.90	85
			F	S	S	S	S	S
Red Top, No. 49	6542	S	L	95.00	.25	.40	4.35	88
			F	S	S	S	S	S
Rye, Forage Winter, No. 33	6328	S	L	99.00	.55	.05	.40	88
			F	S	S	S	S	73.5
Rye, Balbo Winter, No. 26-E	6329	S	L	97.65	2.20	.02	.13	80
			F	S	S	S	S	S

Germination below guarantee.

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Eastern States Farmers' Exchange, Concord (continued)				(Note)	(Note)	(Note)	(Note)	(Note)	
Timothy, No. 1235	6543	S	L	99.50	.21	.10	.19	89	
			F	S	S	S	S	S	
Eastern States Farmers' Exchange, Dover									
Corn, Hybrid Maine 140, No. 2055	6647	S	L	99.50			.50	90	
			F	S	S	S	S	S	
Corn, Maine B Hybrid, No. 1200	6648	S	L	99.50			.50	90	
			F	S	S	S	S	S	
Corn, Penna. 602 Hybrid, No. 1205	6649	S	L	99.50			.50	92	
			F	S	S	S	S	S	
Corn, Mass. 63 Hybrid, No. 1237	6650	S	L	99.50			.50	92	
			F	S	S	S	S	S	
Corn, Wisc. 335 Hybrid, No. 973	6651	S	L	99.50			.50	92	
			F	S	S	S	S	S	
Eastern States Farmers' Exchange, Milford									
Alfalfa, Vernal, Lot 107-A	6363	S	L	99.75	.02	.03	.20	79	
			F	S	S	S	S	S	
Alfalfa, Dupuits Lot 55	6364	S	L	99.75	.01	.01	.23	87	
			F	S	S	S	S	S	
Alsike Clover, Lot 111	6365	S	L	99.50	.05	.05	.40	70	
			F	S	S	S	S	S	
Birdsfoot Trefoil, Empire, Lot 2090	6366	S	L	99.25	.50	.01	.24	46	
			F	S	S	S	S	S	
Corn, Penna 444, No. 2029	6835	S	L	99.50			.50	90	
			F	S	S	S	S	S	
Ladino Clover, Lot 781	6362	S	L	99.50	.06	.30	.14	76	
			F	S	S	S	S	S	
Lawn Mixture, Velvet Green, No. 1290	6833	S	L		.24	.32	4.98		
			F		S	S	S		
Kentucky bluegrass			L	30.92				83	
			F	S				S	
Chewings fescue			L	29.40				87	
Creeping red fescue			L	24.37				90	
Chewings and creeping red fescue			F	49.57**				89**	**Satisfactory
Colonial bentgrass			L	4.94				60	
Fancy solid redtop			L	4.83				90	
Redtop and Colonial bentgrass			F	10.75**				84.5**	**Satisfactory
Oats, Forage, No. 855	6330	S	L	98.40	1.20	.10	.30	90	
			F	S	S	S	S	S	

Oats, Forage, No. 1292	6834	S	L	99.00	.60	.10	.30	90	
			F	S	S	S	S	S	
Rape, Dwarf Essex, No. 1239	6836	S	L	99.50	.05	.08	.37	88	
			F	S	S	S	S	S	
Glencliff Sanatorium, Benton									
Alsike Clover, No. 2042	6595	S	L	99.00	.45	.15	.40	70	
			F	S	S	S	S	S	
Oats, Clinton 59	6593	S	L	99.50	.05	.05	.40	90	
			F	S	S	S	S	S	
Timothy, No. 2002	6594	S	L	99.70	.10	.05	.15	85	
			F	S	S	S	S	S	
Merrimack County Farm, Boscawen									
Oats, Forage, No. 1292	6882	S	L	99.00	.60	.30	.10	90	
			F	S	S	S	S	S	
N. H. State Hospital Farm, Concord									
Bromegrass, Smooth Lincoln type, 11A	6430	S	L	89.00	.20	.55	10.25	80	
			F	S	S	S	S	S	
Corn, Mass. 63 Hybrid	6431	S	L	99.50	..	..	.50	92	
			F	S	S	S	S	S	
Ladino clover, No. 113	6433	S	L	99.50	.05	.30	.15	65	
			F	S	S	S	S	S	
Sudan grass, Piper, No. 1264	6432	S	L	99.25	.02	.02	.71	88	
			F	S	S	S	S	S	
N. H. State Prison Farm, Concord									
Alfalfa, Narragansett, No. 804	6452	S	L	99.80	.04	.04	.12	84	
			F	S	S	S	S	S	
Ladino clover, No. 113	6891	S	L	99.50	.05	.30	.15	65	
			F	S	S	S	S	S	
Oats, Clinton 59, No. 1261	6889	S	L	99.55	.05	.03	.37	90	
			F	S	S	S	S	S	
BILLY HELPER SEED CO., Durham, N. H.									
N. H. State Industrial School, Manchester									
Corn, KS Early Silo Bred	6987	1957	L	....	..	..	..	95	Month of test not given.
			F	99.50	..	..	.50	S	No guarantee for purity.
MAINE POTATO GROWERS, INC., Presque Isle, Me.									
E. W. Bailey & Co., Inc., Colebrook									
Oats, Garry, No. 141	6939	S	L	99.68	..	.02	.30	92	
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
MERRIMACK FARMERS' EXCHANGE, INC., Concord, N. H.									
Laconia State School, Laconia									
Alsike Clover, No. 21599	6720	S	L	98.75	.60	.15	.50	86	
			F	S	S	S	S	S	
Ladino Clover, No. 026220	6719	S	L	99.80	.05	.10	.05	82	
			F	S	S	S	S	S	
Orchard Grass, No. 2300	6715	S	L	94.00	.55	.15	5.30	74	Purity below guarantee;
			F	90.78	S	S	8.59	S	Inert matter excessive.
Red Clover, Medium, No. 24434	6717	S	L	99.66	.18	.06	.10	93	
			F	S	S	S	S	S	
Red Top, No. 41719	6718	S	L	93.20	.60	.40	5.80	90	
			F	S	S	S	S	S	
Timothy, No. 66714	6716	S	L	99.70	.10	.05	.15	90	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Bow									
Corn, Cornell, M-4, G-7-11-LF	6750	S	L	99.97			.03	93	
			F	S	S	S	S	S	
Corn, Wisconsin 335, No. 3476	6749	S	L	99.98			.02	93	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Bradford									
Bromegrass, Lincoln Type, No. 097407	6686	S	L	87.34	.10	1.00	11.56	81	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Claremont									
Lawn Mixture, Merrimack									
Turf-Green, No. 304	6788	S	L		.20	.30	3.75		
			F		S	S	S		
Kentucky bluegrass			L	17.35				75	
			F	S				S	
Creeping red fescue			L	24.00				90	
Illahee fescue			L	24.60				90	
Creeping red and Illahee fescue			F	44.72**				90.5**	**Satisfactory.
Common ryegrass			L	19.90				90	
			F	S				S	
Highland bentgrass			L	9.90				90	
			F	S				S	
Merrimack Farmers' Exchange, Derry									
Alsike Clover, No. 21599	6491	S	L	98.75	.60	.15	.50	86	
			F	S	S	S	S	S	
Red Clover, Medium, No. 24385	6492	S	L	99.26	.34	.22	.18	84	Purity below guarantee.
			F	98.34	1.13	S	S	S	Other crop seeds excessive.

Merrimack Farmers' Exchange, Exeter								
Alfalfa, Narragansett, No. 02822	6837	3/56	L	99.86	.02	.04	.08	80
			F	S	S	S	S	S
Corn, Cornell 29-3, No. 5583	6838	S	L	99.50			.50	87
			F	S	S	S	S	S
Corn, Leaming, No. 3807	6839	S	L	99.00			1.00	82
			F	S	S	S	S	S
Merrimack Farmers' Exchange, Franklin								
Alfalfa, Cert. Narragansett, 2707	6587	S	L	99.94		.03	.03	88
			F	S	S	S	S	S
Alfalfa, Grimm, No. 27148	6588	S	L	99.68	.10	.10	.12	75
			F	S	S	S	S	S
Merrimack Farmers' Exchange, Henniker								
Alfalfa, Vernal, No. 028993	6971	S	L	99.56	.02	.02	.40	80
			F	S	S	S	S	S
Alfalfa, Grimm, No. ZNB-376	6972	S	L	99.22	.18	.35	.25	64
			F	S	S	S	S	S
Merrimack Farmers' Exchange, Keene								
Buckwheat, Japanese, No. 6253	6480	S	L	99.90	.05	.03	.02	92
			F	S	S	S	S	S
Field Peas, Canada, 085681	6479	S	L	99.31	.02	.01	.66	80
			F	S	S	S	S	S
Hungarian Millet, No. 1051	6482	S	L	99.34		.24	.42	62
			F	S	S	S	S	S
Japanese Millet, No. 1186	6481	S	L	99.00	.20	.50	.30	83
			F	S	S	S	S	S
Lawn Seed, No. 36968	6483	S	L		.24	.18	3.66	
			F		S	S	S	
Alta fescue			L	29.92				75
			F	S				S
Kentucky bluegrass			L	21.72				80
			F	S				S
Perennial ryegrass			L	19.92				96
			F	S				S
Creeping red fescue			L	14.55				87
			F	S				S
White clover			L	9.81				84
			F	S				S
Merrimack Farmers' Exchange, Laconia								
Alfalfa, Grimm, No. 2NB-376	6779	S	L	99.22	.18	.35	.25	64
			F	S	S	S	S	S
Ryegrass, Domestic, No. 2752	6780	S	L	99.00	.20	.20	.60	96
			F	S	S	S	S	S
Vetch, Hairy, No. 9919	6781	S	L	99.21	.30	.01	.48	59
			F	S	S	S	S	S

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
MERRIMACK FARMERS' EXCHANGE, INC., Concord, N. H. (continued)									
Merrimack Farmers' Exchange, Milford									
Alfalfa, Ranger, 028799 No. 3	6392	S	L	99.78	.02	.02	.18	83	
			F	S	S	S	S	S	
Ladino clover, 026177	6455	S	L	98.55	.50	.45	.50	86	
			F	S	S	S	S	S	
Red Top, No. 04114	6391	S	L	93.30	.10	1.00	5.10	90	
			F	S	S	S	S	S	
Timothy, No. 66672	6390	S	L	99.70	.10	.05	.15	85	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, New Boston									
Seed Oats, Merrimack, No. 57329	6841	S	L	99.50	.02	.03	.45	85	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Peterborough									
Red fescue, No. 034437, No. 1	6602	S	L	96.00	.25	.35	3.40	90	
			F	S	S	S	S	S	
Ryegrass, Common, No. 038542	6601	S	L	99.26	.02	.04	.08	90	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Rochester									
Bluegrass, Kentucky, 032637, No. 1	6636	S	L	86.10	.10	.20	13.60	70	
			F	S	S	S	S	S	
Corn, Yellow Sweepstakes, No. 6326	6886	S	L	99.00			1.00	79	
			F	S	S	S	S	S	
Soybeans, Kingwa, No. 2408	6885	S	L	99.90			.10	82	
			F	S	S	S	S	S	
Wheat, Henry Spring, No. 6051	6887	S	L	99.47	.13	.05	.35	86	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Inc., Warner									
Mixture, Hayland, No. 508	6767	S	L		.20	.10	.45		
			F		S	S	S		
Alsike Clover			L	12.25				95	
			F	S				79	Germination below guarantee.
Red Clover			L	37.25				93	
			F	S				S	
Timothy			L	49.75				90	
			F	S				S	
Rye, Spring, No. 3973	6768	S	L	99.50	.10		.40	89	
			F	S	S	S	S	S	

N. H. State Industrial School, Manchester									
Alfalfa, Ranger, No. 028799, No. 3	6988	S	L	99.78	.02	.02	.18	83	
			F	S	S	S	S	S	
Ladino Clover, Pilgrim, No. 026942	6989	S	L	99.10	.05	.10	.75	80	
			F	S	S	S	S	S	
N. H. State Prison Farm, Concord									
Alfalfa, Ranger, No. 028799, No. 3	6453	S	L	99.78	.02	.02	.18	83	
			F	S	S	S	S	S	
Red Clover, Cert. Kenland, No. 3957	6890	S	L	99.70		.02	.28	70	
			F	S	S	S	S	S	
Sullivan County Home, Unity									
Buckwheat, Japanese, No. 6253	6920	S	L	99.90	.05	.03	.02	92	
			F	S	S	S	S	S	
Oats, Merrimack Seed, No. 57329	6919	S	L	99.50	.02	.03	.45	85	
			F	S	S	S	S	S	
PAGE SEED CO., Greene, N. Y.									
Presto Grain, Claremont									
Japanese Millet, No. I5256	6955	S	L	98.37		1.46	.17	80	
			F	S	S	S	S	S	
PHILADELPHIA SEED CO., Philadelphia 5, Pa.									
Milligan & Currier, Manchester									
Mixture, White clover and Timothy, Comet. No. 840	6442	S	L		.75	.40	1.35		
			F		3.10	S	S		Other crop seed excessive.
White clover			L	72.75				65	
			F	S				S	
Timothy			L	24.75				85	
			F	S				S	
RALSTON PURINA CO., St. Johnsbury, Vt.									
Rockingham Feed & Supply, Exeter									
Oats, Lot No. 1A	6845	S	L	99.92			.08	93	Variety not stated.
			F	S	S	S	S	S	
SEABOARD SEED CO., Philadelphia, Pa.									
Exeter Feed & Supply, Exeter									
Redtop, 231-80	6842	S	L	91.00	4.60	1.35	3.05	92	
			F	S	S	S	S	S	
Special Mixture Grass Seed, 800-582	6843	S	L		.10	.40	4.95		
			F		1.13	S	S		
Redtop			L	23.00				80	
Colonial bent			L	19.60				85	
Redtop and Colonial Bent			F	46.62**				87**	**Satisfactory.
Chewings red fescue			L	19.60				86	
			F	8.78				71	% Chewings red fescue in sample below guarantee. Germination below guarantee.

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				(Note)	(Note)	(Note)	(Note)	(Note)	
SEABOARD SEED CO., Philadelphia, Pa.									
Exeter Feed & Supply, Exeter (continued)									
Common ryegrass			L	14.70				88	
			F	S				S	
Kentucky bluegrass			L	12.75				73	
			F	S				S	
White clover			L	4.90				80	
			F	S				S	
STANFORD SEED CO., Buffalo, N. Y.									
E. W. Bailey & Co., Inc., Colebrook									
Mixture, Timothy, Alsike and Red Clover, No. 6574	6938	S	L		.16	.45	.28		
			F		S	S	S		
Timothy			L	59.97				88	
			F	S				S	
Red Clover			L	30.14				78	
			F	S				S	
Alsike Clover			L	9.20				74	
			F	S				S	
Chase Grain, Wirthmore Feed Store, Plymouth									
Buckwheat, Silverhull, No. 3402	6853	S	L	99.39		.41	.20	86	
			F	S	S	S	S	S	
Merrimack Farmers' Exchange, Manchester									
Rye, Balbo Winter, 6389	6326	S	L	98.43	.27		1.30	85	
			F	S	S	S	S	S	
F. B. Spaulding Co., Lancaster									
Bluegrass, Kentucky	6933	None	L						
			F	90.26		.46	9.28	71	No lot No. given; no guarantee for purity or germination; No date of test.
Creeping Red Fescue	6932	None	L						
			F	98.36	.71	.42	.51	87.5	No lot No. given; no guarantee for purity or germination; No date of test.
Wayne Feed & Supply Co., W. Lebanon									
Red Clover, Medium No. 6173	6665	S	L	99.21	.50	.07	.22	79	
			F	S	S	S	S	S	
Ryegrass, Perennial, No. 39-169	6667	S	L	99.41		.24	.35	83	
			F	S	S	S	S	S	

Wirthmore Feed Co., Concord									
Alfalfa, Dupuits, No. 3414	6687	S	L	99.95		.03	.02	78	
			F	S	S	S	S	S	
Corn, Cornell M4, No. 2838	6689	S	L	99.50			.50	95	
			F	S	S	S	S	S	
Corn, Yellow Sweepstakes, No. 3284	6690	S	L	99.00			1.00	90	
			F	S	S	S	S	S	
Corn, Ohio M15, No. 6127	6789	S	L	99.50			.50	95	
			F	S	S	S	S	S	
Sudangrass, Piper, No. 2912	6688	S	L	99.13		.11	.76	75	
			F	S	S	S	S	S	
Wirthmore Feed Co., Charlestown									
Alsike Clover, No. 6537	6751	S	L	99.00	.40	.22	.38	80	
			F	S	S	S	S	S	
Wirthmore Feed Co., Londonderry									
Alfalfa, Dupuits, No. 70	6493	S	L	99.95		.03	.02	78	
			F	S	S	S	S	S	
Timothy, No. 260	6494	S	L	99.80	.05	.05	.10	90	
			F	S	S	S	S	80	Germination below guarantee.
Wirthmore Grain Co., Nashua									
Corn, Kingscrost Hybrid Doublecross	6457	S	L	99.75			.25	98	
			F	S	S	S	S	S	
Wirthmore Feed Co., Tilton									
Bromegrass, Southern, No. 2981	6563	S	L	90.15	.20	.10	9.55	85	
			F	S	S	S	S	S	
Corn, Maine B, No. 3325A	6562	S	L	99.75			.25	94	
			F	S	S	S	S	S	
Corn, Wisc. 240, No. 3325	6564	S	L	99.75			.25	94	
			F	S	S	S	S	S	
Corn, West Branch Sweepstakes, No. 3342	6565	S	L	99			1	90	
			F	S	S	S	S	S	
Ladino Clover No. 3125	6561	S	L	99.89	.05	.02	.04	64	
			F	S	S	S	S	S	
Red Top, No. 3106	6559	S	L	92.00	.20	1.00	6.80	85	
			F	S	S	S	S	S	
Sudan Grass, Piper, No. 2631	6560	S	L	99.00	.25	.05	.70	90	
			F	S	S	S	S	S	
WHITNEY SEED CO., Buffalo, N. Y.									
Checkerboard Feed Store, Concord									
Rye, Winter Balbo, No. 83334	6327	S	L	98.93	.56		.51	85	
			F	S	S	S	S	S	
Clark's Grain Store, Chichester									
Alfalfa, Narragansett, No. 2188	6609	S	L	99.81		.02	.17	81	
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
WHITNEY SEED CO., Buffalo, N. Y. (continued)									
Alsike Clover, No. 1581	6607	S	L	98.60	1.15	.15	.10	78	
			F	S	S	S	S	S	
Corn, Funks G 188 Hybrid	6611	S	L	99.75			.25	90	
			F	S	S	S	S	S	
Redtop, No. 46585	6610	S	L	92.80	3.20	1.00	3.00	90	
			F	S	S	S	S	S	
Timothy, No. 1285	6608	S	L	99.65	.05	.10	.20	90	
			F	S	S	S	S	S	
Farmers' Feed & Supply, Berlin									
Alfalfa, No. Variegated, No. 2165	6940	S	L	99.58	.20	.18	.04	68	
			F	S	S	S	S	S	
Farmers Feed & Supply Co., Colebrook									
Kentucky Bluegrass	6956	S	L	85.60	.10	.32	13.98	75	No Lot No. Given.
			F	S	S	S	S	S	
Soybeans, Black Wilson, No. 66485	6958	S	L	98.00	.30	.10	1.60	80	
			F	S	S	S	S	S	
Farmers Feed & Supply, Lancaster									
Buckwheat, Japanese, 8712	6943	S	L	99.00	.30	.25	.45	85	
			F	S	S	S	S	S	
Corn, Funks Hybrid G-188	6944	S	L	99.75			.25	90	
			F	S	S	S	S	S	
Corn, Mass. 63, No. 71447	6946	S	L	99.75			.25	94	
			F	S	S	S	S	S	
Corn, Wisc. 335A, No. 71459	6947	S	L	99.75			.25	90	
			F	S	S	S	S	S	
Hungarian Millet, 48550	6941	S	L	98.92	.10	.60	.38	80	Germination below guarantee.
			F	S	S	S	S	60	
Ladino Clover, B.T. Certified, 56L27	6942	S	L	99.85		.05	.10	82	
			F	S	S	S	S	S	
Timothy, 1284	6945	S	L	99.60	.12	.15	.13	90	
			F	S	S	S	S	S	
Farmers Feed & Supply, Lebanon									
Corn, Cornell 29-3, No. 71436	6660	S	L	99.50			.50	90	
			F	S	S	S	S	S	
Red Clover, Medium, No. 50682	6659	S	L	99.02	.84	.04	.10	77	
			F	S	S	S	S	S	
Farmers Feed & Supply, Newport									
Alsike Clover, No. 1581	6998	S	L	98.68	.15	.15	.10	78	
			F	S	S	S	S	S	

Barley, Moore 6 Row, No. 80593	6993	S	L	99.81	.11		.08	90	
			F	S	S	S	S	S	
Bromegrass, Cert. Achenbach, No. 3847 ...	6991	S	L	95.20	.06	.08	4.66	90	
			F	S	S	S	S	S	
Corn, Minn. 13, No. 70696	6996	S	L	99.50			.50	85	
			F	S	S	S	S	S	
Corn, Mass. 63, No. 71434	6997	S	L	99.50			.50	92	
			F	S	S	S	S	S	
Corn, Westbranch Sweepstakes, No. 70695..	7000	S	L	99.75			.25	90	
			F	S	S	S	S	S	
Corn, Westbranch Sweepstakes, No. 70691 ..	7001	S	L	99.50			.50	88	
			F	S	S	S	S	S	
Corn, Cornell 29-3, No. 71436	7002	S	L	99.50			.50	90	
			F	S	S	S	S	S	
Hungarian Millet, No. 48545	6999	S	L	98.94	.12	.64	.30	80	
			F	S	S	S	S	S	
Japanese Millet, No. 46587	6992	S	L	98.94	.06	.95	.05	85	
			F	S	S	S	S	S	
Oats, Clinton, No. 82836	7003	S	L	99.00	.19	.17	.64	90	
			F	S	S	S	S	S	
Red Clover, Medium, No. 50682	6994	S	L	99.02	.84	.04	.10	77	
			F	S	S	S	S	S	
Red Top, No. 40585	6995	S	L	92.80	3.20	1.00	3.00	90	
			F	S	S	S	S	S	
Rye, Dakold Winter, No. 8331	6990	S	L	98.71	.03	.01	1.25	80	
			F	S	S	S	S	57.5	Germination below guarantee.
R. N. Johnson, Walpole									
Alfalfa, BT Cert. Ranger, No. 2147	6893	S	L	99.88		.02	.10	90	
			F	S	S	S	S	S	
Alfalfa, Affadavit Vernal, No. 2175	6895	S	L	99.36		.50	.14	78	
			F	S		S	S	67	Germination below guarantee.
Alfalfa, Cert. Vernal, No. 2193	6898	S	L	99.68		.04	.28	82	
			F	S	S	S	S	S	
Barley, Uncert. Erie, No. 80585	6896	S	L	99.15	.03		.82	80	
			F	S	S	S	S	S	
Birdsfoot Trefoil, Imp., No. 5997	6897	S	L	98.74	1.00	.08	.18	64	
			F	S	S	S	S	S	
Bromegrass, Domestic, No. 3839	6894	S	L	88.52	.12	1.20	10.16	82	
			F	S	S	S	S	S	
Corn, Cornell, M-4, No. 71453	6899	S	L	99.75			.25	94	
			F	S	S	S	S	S	
Oats, Cert. Garry, No. 82848	6900	S	L	99.87	.04	.02	.07	90	
			F	S	S	S	S	S	

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				(Note)	(Note)	(Note)	(Note)	(Note)	
WHITNEY SEED CO., Buffalo, N. Y.									
R. N. Johnson, Walpole (continued)									
Rye, Winter Balbo, No. 83334	6670	S	L	98.93	.56		.51	85	
			F	S	S	S	S	S	
Sudan Grass, Cert. Piper, No. 3067	6901	S	L	99.42			.58	83	
			F	S	S	S	S	S	
J. J. Moreau & Son, Inc., Manchester									
Timothy, No. 1285	6381	S	L	99.65	.05	.10	.20	90	
			F	S	S	S	S	S	
F. H. WOODRUFF & SONS, INC., Milford, Conn.									
W. E. Aubuchon Co., Inc., Claremont									
Mixture, Green-Up Grass	6677	S	L		.80	.90	8.40		
			F		S	S	S		
Common ryegrass			L	44.10				98	
			F	S				S	
Timothy			L	24.20				85	
			F	S				S	
Kentucky 31 fescue			L	9.70				87	
			F	S				S	
Red fescue			L	9.50				92	
			F	S				S	
Redtop			L	2.40				69	
			F	S				46	Germination below guarantee.
Public Works & Highways, Concord									
Mixture, Special Grass Seed, No. 1660-1 ...	6456	S	L			.30	7.50		
			F		S	S	S		
Timothy			L	39.40				90	
			F	S				S	
Redtop			L	36.80				90	
			F	S				S	
White Dutch Clover			L	8.00				85	
			F	S				S	
Alsike Clover			L	8.00				85	
			F	S				S	

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New Hampshire Experiment Station
VEGETABLE SEED INSPECTION, 1957

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			Found	Guaran-teed**	N. H. Standard
			(Note)		
ALLEN, STERLING & LOTHROP, Portland, Maine					
Currier's IGA Store, West Stewartstown					
Beans, Dwarf Horticultural	6949	S	S	..	75
Beans, Black Wax, Pencil Pod	6950	S	S	..	75
Beans, Kentucky Wonder Pole	6951	S	S	..	75
Carrot, Danvers Half-Long	6953	S	S	..	55
Cucumber, Highmoor	6952	S	S	..	80
Moulton's Store, Ossipee					
Peas, Laxton's Progress	6913	S	S	..	80
F. B. Spaulding Co., Lancaster					
Squash, Buttercup, No. 79543	6936	S	S	90	75
ASSOCIATED SEED GROWERS, INC., Cambridge, N. Y.					
Ayers & Jenkins Co., Rochester					
Cucumber, Arl. White Spine	6916	S	S	85	80
Cavis Bros. Co., Bristol					
Bunch Onion, Scallion	6810	S	S	75	70
Parsnip, Hollow Crown Large Sugar	6809	S	S	65	60
Tomato, Scarlet Dawn	6811	S	S	80	75
Cheshire County Farmers Exchange, Keene					
Beans, Bush Goldenwax	6522	S	S	80	75
F. H. Colburn, Francestown					
Carrot, Chantenay	6854	S	S	55	55
Cucumber, Cubit	6855	S	S	80	80
J. Jones & Son, Alton					
Beans, London Horticultural	6918	S	79†	90	75
Laconia Hardware, Laconia					
Lettuce, Black Seeded Simpson	6775	S	62	85	80
Merrimack Farmers Exchange, Nashua					
Cabbage, Danish Ballhead (Hollander)	6382	S	S	75	75
Carrot, Imperator	6385	S	S	55	55
Cucumber, Cubit	6384	S	S	80	80
Neal Hardware, Madbury					
Tomato, Franklin Hybrid F_2	6629	S	S	80	75
Salem Hardware & Paint Co., Salem					
Spinach, Bloomsdale Savoy Leaved	6509	S	S	65	60
Wolfboro Hardware Co., Inc., Wolfboro					
Beans, Low's Champion	6914	S	S	93	75
Beans, Dwarf Horticultural	6915	S	S	85	75
ASSOCIATED SEED GROWERS INC., New Haven, Conn.					
Burnham & Morrill, Pittsfield					
Corn, Maine Tricross Sweet	7004	S	S	90	75
Farmers Feed & Supply Co., Colebrook					
Beans, Dwarf Horticultural, No. 5213	6957	S	S	90	75

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			Found	Guaranteed**	N. H. Standard
			(Note)		
ASSOCIATED SEED GROWERS INC., New Haven, Conn. (continued)					
Farmers Feed & Supply, Lebanon					
Peas, Alderman, No. 94318	6657	None	S	..	80
Peas, World's Record, No. 57078	6658	S	S	90	80
Moulton & Goodwin, Portsmouth					
Carrot, Danvers Half Long	6498	S	S	88	55
Peas, Blue Bantam	6495	S	S	91	80
Peas, Gradus	6496	S	S	88	80
Peas, Freezonian	6497	S	S	96	80
W. E. AUBUCHON CO., INC., Fitchburg, Mass.					
W. E. Aubuchon Co., Inc., Claremont					
Peas, American Wonder	6675	S	S	..	80
Peas, Telephone	6676	S	S	..	80
BRECK'S, Boston, Mass.					
Cavis Bros. Co., Bristol					
Lima Beans, Bush or Dwarf	6808	S	S	70	70
Gate City Gardens, Nashua					
Carrot, Chantenay, Red Cored, No. 5556	6829	S	S	55	55
Onion, Southport White Globe, No. 6324	6830	S	S	70	70
Tomato, Earliana, No. 7136	6828	S	S	75	75
Halladay's Store, Hillsboro					
Beans, Pencil Pod Black Wax, No. 5068	6499	S	S	75	75
Beans, Stringless Green Pod, No. 5024	6500	S	S	75	75
Corn, Cream-O-Gold Hybrid, No. 5756	6501	S	S	75	75
Laconia Hardware, Laconia					
Carrot, Golden Beauty	6772	S	S	55	55
Cucumber, Hycrop Hybrid (Pickling)	6773	S	S	80	80
Onion, Yellow Globe Danvers	6771	S	S	70	70
Pepper, Large Bell — Sweet Bull Nose	6774	S	S	55	55
Tomato, Waltham Scarlet	6769	S	S	75	75
Tomato, Bonny Best	6770	S	S	75	75
Peterborough Hardware, Peterborough					
Beans Dwarf Shell French's Horticultural	6578	S	S	75	75
Corn, Golden Sunshine	6581	S	S	90	75
Peas, Telephone Dark Podded	6579	S	S	80	80
Peas, Blue Bantam	6580	S	S	90	80
Still's Nursery & Tractor Co., Manchester					
Beets, Crosby's Egyptian, No. 5305	6398	S	S	65	65
Carrot, Danvers Half-Long, No. 5564	6397	S	S	55	55
Cucumber, Arlington White Spine, No. 5856	6395	S	S	80	80
Parsnip, Hollow Crown, No. 6521	6396	S	S	60	60
Wendells Hardware, Portsmouth					
Tomato, Stone	6502	S	S	75	75
W. ATLEE BURPEE CO., Philadelphia					
Borchers Hardware, Salem					
Parsnip, Guernsey	6517	S	S	65	60
Tomato, Rutgers	6516	S	S	80	75
Burpee's Flowerland, Manchester					
Cucumber, National Pickling	6463	S	S	80	80
Lettuce, Big Boston	6462	S	S	80	80

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			(Note)		
W. ATLEE BURPEE CO., Philadelphia (continued)					
Clark's Grain Store, Chichester					
Beans, Bush Surecrop Wax, No. 6172	6603	S	S	80	75
Carrot, Tendersweet	6606	S	S	65	55
Corn, Burpee's Surecross, No. 5143	6604	S	S	85	75
Peas, Little Marvel, No. 6225	6605	S	S	80	80
County Store, Milford					
Beans, Green Pod Bush Stringless	6612	S	S	80	75
Beans, Pole Horticultural	6613	S	13	85	75
Beans, Bush Yellow Pod Stringless	6614	S	S	75	75
Beet, Early Wonder	6624	S	S	75	65
Beet, Detroit Dark Red	6625	S	S	75	65
Cabbage, Early Jersey Wakefield	6619	S	S	80	75
Carrot, Danvers Half-Long	6626	S	S	80	55
Corn, Early Granite State	6616	S	S	..	75
Corn, Hybrid Yellow Golden Cross Bantam	6617	S	S	85	75
Corn, Standard Yellow Sweet	6618	S	S	85	75
Lima Beans, Bush Baby Fordhook	6615	S	S	..	70
New Zealand Spinach	6620	S	S	50	40
Peas, Early Settlers	6621	S	S	80	80
Peas, Main Crop	6622	S	S	80	80
Peas, Nott's Excelsior	6623	S	S	80	80
Farmer Putnam's Gardens, Claremont					
Lettuce, Iceberg, No. 6051	6763	S	S	80	80
Onion, Southport Yellow Globe, No. 5275	6764	S	S	75	70
Garden Centre, Nashua					
Endive, Broad Leaved Batavian, No. 5027	6820	S	S	80	70
Pepper, California Wonder, No. 6081	6816	S	S	70	55
Glazer & Fox, Inc., Portsmouth					
Cucumber, Black Diamond, No. 5015	6863	S	S	85	80
Onion, Evergreen Bunching, No. 6072	6865	S	S	75	70
Rhubarb Chard, No. 6202	6864	S	55	75	65
Laconia State School, Laconia					
Beans, Plentiful, No. 6802	6714	S	S	80	75
Milligan & Currier, Manchester					
Beans, Bush Shell French Horticultural	6439	S	S	80	75
Beet, Detroit Dark Red	6450	S	S	75	65
Parsnips, Hollow Crown	6440	S	41	65	60
Peas, World's Record	6441	S	S	80	80
Squash, Early Golden Summer Crookneck	6448	S	S	80	75
Swiss Chard, Burpee's Fordhook Giant	6447	S	S	75	65
Tomato, Marglobe	6449	S	S	80	75
A. M. Rand, Plymouth					
Bush Beans, Rustproof Golden Wax, Topnotch Strain	6844	S	S	80	75
Windy Hill Greenhouse, Greenfield					
Lettuce, Great Lakes, No. 6053	6827	S	S	80	80
COMSTOCK, FERRE & CO., Wethersfield, Conn.					
Garden Centre, Nashua					
Carrot, Coreless, No. 1368	6819	S	S	85	55
Onion, Sweet Spanish, No. 432	6817	S	S	85	70
Parsnip, All American, No. 3072	6415	S	S	80	60
Squash, Butternut, No. 30002	6414	S	S	90	75
Tomato, Pritchard, No. 3047	6818	S	S	78	75

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CROSMAN SEED CORP., E. Rochester, N. Y.					
S. S. Kresge Co., Keene					
Beans, Brittle Wax, Golden Yellow	6504	S	S	75	75
Onion, Yellow Sweet Spanish	6505	S	S	70	70
Parsnip, Harris Model	6506	S	S	80	60
Montgomery Ward Co., Claremont					
Cabbage, Penn State Ballhead	6745	S	S	..	75
Onion, Bunching Silverskin	6746	S	S	..	70
Montgomery Ward Co., Nashua					
Beet, Detroit Dark Red Perfected	6410	S	S	80	65
Carrot, Danvers Red Core	6411	S	S	75	55
Peas, Alaska	6408	S	S	90	80
Squash, Butternut	6409	S	S	90	75
Montgomery Ward, Portsmouth					
Lettuce, Salad Bowl, No. A331	6870	S	S	90	80
Tomato, Earliana, No. 388	6871	S	S	85	75
Turnip, Purple Top White Globe	6869	S	S	90	80
Salem 5 & 10, Salem					
Carrot, Danvers Half-Long	6526	S	S	70	55
Tomato, Marglobe	6527	S	S	85	75
EASTERN STATES FARMERS' EXCHANGE, W. Springfield, Mass.					
Eastern States Farmers' Exchange, Claremont					
Cucumber, Niagara, No. V220	6721	S	S	90	80
Eggplant, New Hampshire, No. V546	6726	S	S	85	60
Onion, Evergreen Bunching, No. V503	6725	S	S	80	70
Pepper, Hungarian Wax, No. V332	6722	S	S	90	55
Tomato, Eastern States F-1, No. V213-A	6723	S	S	95	75
Tomato, Pritchard, No. V339	6724	S	S	80	75
Eastern States Farmers' Exchange, Manchester					
Beans, Long Tendergreen, No. V532-1	6367	S	S	85	75
Beans, Pencil Pod Wax, No. V528	6368	S	S	90	75
Corn, Barbecue, (Yellow Hybrid) No. V-476	6371	S	S	85	75
Corn, Butter and Sugar, No. V466-R	6372	S	S	90	75
Peas, Freezonian, No. V452	6369	S	S	90	80
Peas, World's Record, No. V451-3	6370	S	S	90	80
Eastern States Farmers' Exchange, Milford					
Beans, French's Horticultural, No. V685	6551	S	S	80	75
Beans, Kentucky Wonder Green Pole No. V272	6553	S	S	90	75
Cabbage, Drumhead Savoy, No. V491	6546	S	S	85	75
Carrot, Nantes Long, No. V494	6359	S	S	80	55
Corn, Golden Cross Bantam Yellow Hybrid, No. V473R	6549	S	S	85	75
Corn, Iochief (Yellow Hybrid) No. V474-C	6550	S	S	95	75
Lettuce, Great Lakes, No. V391	6545	S	S	90	80
Lima Beans, Fordhook 242, No. V448	6552	S	S	80	70
Onion, Early Yellow Globe, No. V480	6361	S	S	90	70
Peas, Lincoln, No. V596	6547	S	S	90	80
Peas, Little Marvel, No. V453-A	6548	S	S	85	80
Pepper, Penn Wonder, No. V251	6360	S	S	80	55
Laconia State School, Laconia					
Beans, Pencil Pod Wax, No. V601-2	6705	S	S	95	75
Beet, Smooth Crosby, No. V361	6711	S	S	70	55
Carrot, Chantenay Red Cored, No. V459	6707	S	S	85	55
Corn, Marcross 13.6, Yellow Hybrid, No. V294	6712	S	S	90	75
Cucumber, No. V409	6713	S	S	80	80
Lettuce, Great Lakes, No. V391	6708	S	S	90	80

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			Found	Guaranteed**	N. H. Standard
			(Note)		
EASTERN STATES FARMERS, EXCHANGE, West Springfield, Mass. (continued)					
Laconia State School, Laconia (continued)					
Parsnip, Model, No. V6612	6706	S	S	85	60
Peas, World's Record, V591	6704	S	S	90	80
Radish, Early Scarlet Globe, No. 413	6710	S	S	90	75
Turnip, Purple Top White Globe, No. V364-1	6709	S	S	95	80
Merrimack County Farm, Boscawen					
Carrot, Danvers, No. 126	6884	S	S	85	55
Peas, World's Record, Wrinkled	6883	S	S	90	80
N. H. State Prison Farm, Concord					
Beans, French Horticultural, No. V685	6454	S	S	80	75
Parsnip, Improved Hollow Crown	6892	S	S	80	60
FERRY-MORSE SEED CO., Detroit, Mich.					
I.G.A. Store, Hill					
Carrot, Nantes, No. 458	6812	S	S	70	55
Carrot, Red Cored Chantenay, No. 453	6813	S	S	70	55
Lettuce, Prize Head, No. 562	6815	S	S	90	80
Radish, Chinese Rose Winter, No. 664	6814	S	S	85	75
Neal Hardware Inc., Madbury					
Beans, Stringless Green Pod, No. 869	6631	S	S	75	75
Beans, Top Notch Golden Wax, No. 842	6633	S	S	80	75
Beans, Dwarf Hort., No. 48836CD5	6634	S	S	90	75
Corn, Hybrid Sweet F-M Cross, Lot No. 901	6632	S	S	80	75
Tomato, Rutgers, No. 744B	6630	S	S	80	75
J. J. Newberry Co., Derry					
Peas, Little Marvel, Dwarf	6508	S	S	85	75
J. J. Newberry Co., Laconia					
Carrot, Danvers (Half Long)	6761	S	S	80	55
Pepper, California Wonder	6760	S	S	75	55
Tomato, Foremost, E-21	6762	S	S	85	75
J. J. Newberry Co., Manchester					
Parsley, Hamburg, Thick Rooted	6400	S	S	75	60
Parsnip, Hollow Crown	6399	S	S	85	60
J. J. Newberry Co., Nashua					
Lettuce, Grand Rapids	6393	S	S	85	80
Parsley, Plain	6394	S	S	80	60
FREDONIA SEED CO., Fredonia, N. Y.					
Bernard's Hardware, Jaffrey					
Carrot, Danvers Half-Long	6590	S	S	55	55
Cucumber, Imp. Long Green, No. 3	6592	S	S	80	80
Leek, American Flag, No. 1	6591	S	S	60	60
Peas, Bush, Early Gradus, No. 4	6589	S	S	80	80
Chagnons Garden Center, Manchester					
Carrot, Chantenay, Lot No. 2	6405	S	S	55	55
Spinach, Bloomsdale Long Standing, Lot 1	6407	S	S	60	60
Tomato, Stone, Lot 4	6406	S	68	75	75
The Garden Center, Nashua					
Lettuce, Iceberg, No. 3	6412	S	S	80	80
Onion, White Bunching, No. 1	6413	S	S	70	70

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			(Note)		
FREDONIA SEED CO., Fredonia, N. Y. (continued)					
Thrift Stores Inc., Amherst					
Beans, Stringless Green Pod	6798	S	S	..	75
Beans, Golden Wax	6799	None	69	..	75
Cauliflower, Early Snowball	6802	S	S	75	75
Corn, Golden Bantam Improved	6801	None	S	..	75
Lima Beans, Fordhook Bush	6800	None	S	..	70
Onion, Prizetaker	6804	S	S	70	70
Radish, Long Scarlet Short Top	6803	S	S	75	75
CHAS. C. HART SEED CO., Wethersfield, Conn.					
Cavis Bros. Co., Bristol					
Carrot, Scarlet Nantes Coreless	6807	S	S	55	55
Chalifour Hardware, Manchester					
Beet, Crosby's Egyptian	6404	S	S	65	65
F. H. Colburn, Francestown					
Carrot, Danvers Half-Long, Stump Root	6856	S	S	55	55
Lima Beans, Fordhook Bush	6857	S	S	70	70
C. M. Hildreth & Son, Lebanon					
Beans, Dwarf Horticultural	6639	None	S	85	75
Corn, Golden Midget	6638	None	S	85	75
Peas, Gradus	6640	None	S	85	80
Kiniry Hardware, Claremont					
Peas, World's Record, No. 9171A	6757	S	73	85	80
Peas, Blue Bantam, No. 9155A	6759	S	S	85	80
Spinach, Savoy-Leaved or Bloomsdale Reselected	6758	S	S	72	60
Martin Hardware, Newport					
Corn, Golden Bantam	6678	S	S	90	75
Corn, Golden Sunshine	6679	S	S	89	75
Peas, Dwarf Telephone	6680	S	S	83	80
Osgoods Hardware, Nashua					
Beans, Tendergreen, Stringless Dwarf Green Podded	6436	S	S	65	75
Beans, Pencil Pod Black Wax	6437	S	S	75	75
Peas, Sutton's Excelsior	6438	S	S	85	80
Tomato, Ponderosa	6434	S	S	75	75
Tomato, Bonny Best	6435	S	69.5	75	75
Seavey Hardware, Dover					
Peas, World's Record, No. 9171A	6577	S	S	85	80
Wayne Feed & Supply Co., Manchester					
Beans, Cherokee Wax, Dwarf Wax Pods, No. 15	6466	S	S	85	75
Beet, Detroit Dark Red, No. 2	6468	S	66†	88	65
Parsley, Hamburg or Turnip Rooted	6470	S	38	60	60
Parsnip, Hollow Crown	6469	S	S	60	60
Peas, Tall Telephone, No. 10	6464	S	S	..	80
Peas, Freezonian, No. 12	6465	S	76	..	80
Peas, Thomas Laxton	6467	S	S	..	80
Squash, Butternut	6471	S	S	80	75
Wayne Feed & Supply Co., West Lebanon					
Lettuce, Bibb (head)	6662	S	S	80	80
Onion, White Globe	6661	S	57.5	70	70
Pepper, World Beater	6663	S	S	55	55
Tomato, Wilt Resistant Marglobe	6664	S	S	75	75

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CHAS. C. HART SEED CO., Wethersfield, Conn. (continued)					
Wirthmore Feed Co., Charlestown					
Beans, Long Pod Dwarf Hort.	6756	S	S	85	75
C. S. Wood, Antrim					
Beans, Top Notch Golden Wax, No. 8569	6962	S	S	85	75
Peas, Thomas Laxton, No. 9171	6961	S	68	85	80
BUDD D. HAWKINS, Reading, Vt.					
Cavis Bros. Co., Bristol					
Radish, New French Breakfast	6805	S	46	75	75
Tomato, Bonny Best	6806	S	S	75	75
Derby's Inc., Peterborough					
Carrot, Danvers Half-Long	6574	S	S	55	55
Pumpkin, Small Sugar or Pie	6573	S	S	75	75
Radish, Early Scarlet Globe	6575	S	S	75	75
B. H. Dodge, New Boston					
Onion, Yellow Globe Danvers, No. 3525	6866	S	S	70	70
Onion, Large Red Wethersfield, No. 3522	6867	S	49	70	70
Onion, White Portugal, No. 3527	6868	S	45	70	70
Spencer's Hardware, Keene					
Beans, Kentucky Wonder Pole	6512	S	S	75	75
Beet, Crosby's Egyptian	6511	S	S	65	65
Carrot, Improved Long	6514	S	S	55	55
Corn, Spancross	6513	S	S	75	75
Cucumber, Improved Long Green	6515	S	S	80	80
Parsnip, Improved Hollow Crown	6510	S	S	60	60
BILLY HEPLER CO., Durham					
N. H. State Industrial School, Manchester					
Beans, Stringless Green Pod	6982	1957‡	S	76	75
Beans, Pencil Pod Black Wax	6986	1957‡	S	80	75
Beet, Detroit Dark Red	6985	1957‡	S	81	65
Corn, Golden Rocket	6983	1957‡	S	85	75
Corn, Iochief	6984	1957‡	S	90	75
	‡ Month not given.				
MANDEVILLE & KING CO., Rochester, N. Y.					
Bristol Clover Farm Market, Bristol					
Carrot, Chantenay Long, No. 7 V	6822	S	S	60	55
Cucumber, Boston Pickling, No. 11 V	6821	S	S	85	80
Pepper, California Wonder, No. 25 V	6823	S	S	55	55
Lakeport 5-$1.00, Lakeport					
Beans, Giant Stringless Green Pod, Bush	6738	S	S	80	75
Beans, Sure Crop Wax Bush	6740	S	S	80	75
Beets, Detroit Dark Red	6734	S	S	70	65
Carrot, Danvers Half-Long	6737	S	S	60	55
Lettuce, Simpson's Black Seeded	6735	S	S	85	80
Peas, Gradus	6739	S	S	85	80
Spinach, Bloomsdale Savoy-Leaved	6736	S	S	60	60
Tomato, Rutgers	6741	S	S	75	75
Uptown Grocery, Belmont					
Onion, Southport Yellow Globe	6747	S	S	70	70
Parsnip, Hollow Crown	6748	S	S	60	60

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MERRIMACK FARMERS' EXCHANGE, Concord					
Hillsborough County Farm, Goffstown					
Carrot, Long Orange, No. 112-3-E	6974	S	S	..	55
Carrot, Nantes Golden Beauty, No. 113-3-E	6975	S	S	..	55
Muskmelon, Delicious, No. 140-3-D	6980	S	S	..	75
Parsnip, Hollow Crown, No. 145-3-A	6976	S	S	..	60
Peas, Laxtonian, No. 503-C	6973	S	S	..	80
Rutabaga, American Improved Yellow, No. 175-3-D	6979	S	S	..	75
Spinach, Bloomsdale Savoy, Long Standing, No. 153-3-E	6978	S	S	..	60
Squash, Blue Hubbard, No. 159-3-E	6977	S	S	..	75
Merrimack Farmers' Exchange, Bow					
Beans, Burpee's Stringless Green Pod, No. 043-D	6572	S	S	..	75
Corn, Northland, No. 34-LC	6571	S	S	..	75
Peas, Laxtonian, No. 503-E	6569	S	S	..	80
Peas, World's Record, No. 468-E	6570	S	S	..	80
Merrimack Farmers' Exchange, Bradford					
Beans, Kentucky Wonder Pole, No. 143-D	6682	S	S	..	75
Beans, Bountiful Green Pod, No. 023-E	6683	S	S	..	75
Beet, Early Wonder, No. 59-3-D	6684	S	S	..	65
Corn, Golden Hummer, No. 273-C	6681	S	S	..	75
Lettuce, Early Prizehead, No. 132-3-D	6685	S	S	..	80
Merrimack Farmers' Exchange, Derry					
Beans, Kentucky Wonder Green Pole, No. 143-D	6489	S	S	..	75
Beans, Kinghorn Wax, No. 263-E	6490	S	S	..	75
Carrot, Chantenay, Red Cored, No. 108-3-C	6488	S	S	..	55
Merrimack Farmers' Exchange, Epsom					
Beans, Bountiful Green Pod, No. 023-D	6743	S	S	..	75
Lima Beans, Henderson's Bush, No. 1K3B	6742	S	S	..	70
Peas, Thomas Laxton, No. 493-C	6744	S	S	..	80
Merrimack Farmers' Exchange, Franklin					
Brussels Sprouts, Long Island Imp.	6585	S	S	..	70
Parsnips, Hollow Crown, No. 145-3-A	6586	S	S	..	60
Merrimack Farmers' Exchange, Goffstown					
Beans, Kinghorn Wax, No. 268-E	6873	S	S	..	75
Beans, Trout, No. 204-D	6874	S	S	..	75
Cabbage, Red Acre	6879	S	S	..	75
Celery, Summer Pascal	6877	S	S	..	55
Peas, Laxton's Progress, No. 483-E	6872	S	S	..	80
Pepper, Merrimack Wonder, No. 146-6-D	6878	S	S	..	55
Tomato, Marglobe, No. 172-3-C	6875	S	S	..	75
Tomato, N. H. Victor, No. 173-0-C	6876	S	S	..	75
Merrimack Farmers' Exchange, Henniker					
Beans, Brittle Wax, No. 0K3D	6969	S	S	..	75
Beans, Red Kidney, No. 163-C	6970	S	S	..	75
Corn, Golden Sunshine, No. 293-E	6968	S	S	..	75
Squash, Buttercup, No. 160-3-D	6966	S	S	..	75
Swiss Chard, Lucullus, No. 62-3-A	6967	S	S	..	65
Merrimack Farmers' Exchange, Keene					
Beans, Dwarf Horticultural, No. 263-E	6477	S	S	..	75
Beet, Winter Keeper, No. 603-D	6478	S	S	..	65
Lettuce, Early Prizehead, No. 132-3-E	6487	S	S	..	80
Muskmelon, Granite State, No. 141-10-E	6484	S	S	..	75
Peas, Little Marvel, No. 523-D	6475	S	S	..	80
Peas, Freezonian, No. 563-C	6476	S	S	..	80
Squash, Blue Hubbard Colby Strain, No. 151-1-C	6485	S	S	..	75
Squash, Bush Buttercup, No. 199-10-E	6486	S	S	..	75

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MERRIMACK FARMERS' EXCHANGE, Concord (continued)					
Merrimack Farmers' Exchange, Milford					
Cabgage, Danish Ballhead, No. 104-3-E	6566	S	S	..	75
Peas, Merrimack Improved Telephone, No. 543-E	6567	S	S	..	80
Peas, Laxtonian, No. 503-C	6568	S	S	..	80
Merrimack Farmers' Exchange, Manchester					
Beet, Detroit Dark Red, No. 583-A	6388	S	S	..	65
Corn, High Quality, Seneca 60, No. 362-E	6386	S	S	..	75
Corn, Golden Beauty, No. 413-E	6387	S	S	..	75
Peas, Sutton's Excelsior, No. 513-E	6389	S	S	..	80
Merrimack Farmers' Exchange, Ossipee					
Beans, Tenderlong, No. 193-E	6902	S	S	..	75
Beans, White Pea, No. 213-E	6926	S	S	..	75
Beet, Detroit Dark Red, No. 58-3-A	6903	S	S	..	65
Broccoli, Green Calabrese, No. 100-3-E	6904	S	S	..	75
Cabbage, Danish Ballhead, No. 104-3-E	6905	S	S	..	75
Carrot, Nantes Golden Beauty, No. 113-3-A	6906	S	S	..	55
Corn, Golden Crown, No. 35-2-C	6910	None	S	..	75
Corn, Victory Golden, No. 42-3-E	6911	None	S	..	75
Corn, Northland, No. 34-L-A	6912	None	S	..	75
Corn, Victory Golden, No. 423-D	6927	S	S	..	75
Cucumber, Marketer, No. 121-3-A	6907	S	S	..	80
Cucumber, Arlington White Spine, No. 118-3-E	6924	S	46	..	80
Cucumber, National Pickling, No. 122-3-C	6931	S	S	..	80
Lettuce, Great Lakes, No. 133-3-E	6908	S	S	..	80
Lettuce, Imperial 44, No. 135-3-C	6922	S	S	..	80
Lettuce, Boston Curled, No. 131-3-E	6923	S	S	..	80
Lima Beans, Fordhook Bush 242, No. 083-D	6925	S	S	..	70
Peas, Freezonian, No. 563-C	6929	S	S	..	80
Radish, Cherry Belle, No. 149-3-A	6909	S	S	..	75
Squash, Butternut, Colby Strain, No. 158-1-E	6928	S	S	..	75
Tomato, Home Garden, No. 171-5-A	6930	S	S	..	75
Merrimack Farmers' Exchange, Peterborough					
Beet, Early Wonder, No. 59-3-A	6596	S	S	..	65
Carrot, Imperator, No. 111-3-A	6600	S	S	..	55
Lettuce, Great Lakes, No. 133-3-A	6598	S	S	..	80
Onion, Southport White Globe, No. 143-3-E	6597	S	S	..	70
Onion, Danvers Yellow Globe, No. 144-3-D	6599	S	S	..	70
Merrimack Farmers' Exchange, Pittsfield					
Beet, Crosby's Egyptian, No. 57-3-A	6583	S	S	..	65
Cucumber, Arlington White Spine, No. 118-3-E	6584	S	S	..	80
Merrimack Farmers' Exchange, Plymouth					
Beans, Wade, No. 2530	6846	S	S	..	75
Beans, Soldier, No. 174-A	6847	S	S	..	75
Beans, Contender, No. 063-A	6848	S	S	..	75
Corn, Carmelcross, Medium Late, No. 38-3-E	6849	S	S	..	75
Corn, High Quality Seneca "60" Early, No. 36-2-E	6850	S	S	..	75
Corn, Golden Cross Bantam, Late, No. 39-3-E	6851	S	S	..	75
Corn, Marcross, Medium Early, No. 37-3-E	6852	S	S	..	75
Merrimack Farmers' Exchange, Rochester					
Cucumber, Straight 8, No. 123-3-E	6637	S	S	..	80
Watermelon, N. H. Midget, No. 179-3-E	6635	S	S	..	70
N. H. State Hospital Farm, Concord					
Beans, Contender, No. 063-A	6424	S	S	..	75
Corn, Golden Cross Bantam, 39-3-A	6425	S	S	..	75
Corn, Marcross, No. 37-3-E	6427	S	S	..	75
Peas, Laxton Progress, No. 48-3-E	6426	S	S	..	80
Peas, Dwarf Telephone, No. 55-3-A	6428	S	S	..	80
Sullivan County Farm, Unity					
Beans, Red Kidney, No. 16-3-A	6921	S	S	..	75

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NORTHRUP, KING & CO., Minneapolis, Minn.					
Aubuchon Hardware, Derry					
Beet, Early Wonder, No. 76	6503	S	S	65	65
Aubuchon Hardware, Milford					
Parsnip, Improved Hollow Crown, No. 378	6460	S	S	60	60
Tomato, Rutgers, No. 560	6461	S	S	75	75
Johnson Hardware, Dover					
Beans, Stringless Black Valentine, Lot No. 32	6627	S	S	75	75
Peas, Early Perfection, Lot No. 390	6628	S	S	80	80
Milligan & Currier, Manchester					
Carrot, Danvers Half-Long, No. 146	6443	S	S	55	55
J. J. Moreau & Son Inc., Manchester					
Beet, Detroit Dark Red, No. 73	6376	S	S	65	65
Cabbage, Copenhagen Market, No. 116	6377	S	68	75	75
Cucumber, Improved Long Green, No. 220	6378	S	S	80	80
Onion, Large Red Globe, No. 332	6379	S	S	70	70
Onion, Large White Globe, No. 356	6380	S	S	70	70
F. W. Woolworth Co., Claremont					
Carrot, Chantenay, No. 156	6765	S	S	55	55
Lettuce, Grand Rapids, No. 242	6766	S	S	80	80
F. W. Woolworth Co., Keene					
Corn, Golden Bantam, Extra Early, No. 194	6507	S	S	75	75
F. W. Woolworth Co., Nashua					
Beans, Improved Golden Wax, No. 7	6451	S	71	75	75
F. W. Woolworth Co., Manchester					
Tomato, Bonny Best, No. 532	6401	S	S	75	75
PAGE SEED CO., Greene, N. Y.					
Follensbee Feed Store, Lebanon					
Beans, Pencil Pod Black Wax, No. A63-3857	6645	S	S	85	75
Beans, Vermont Cranberry, No. A579957	6646	S	S	85	75
Peas, Dark Pod Telephone, No. C26157	6641	S	S	85	80
Peas, Gradus, No. C113856	6642	S	S	85	80
Peas, Dwarf Telephone, No. C96152	6643	S	S	85	80
Peas, Little Marvel, No. C17-3857	6644	S	S	90	80
Hammar Hardware, Nashua					
Cabbage, Early Jersey Wakefield	6458	S	S	80	75
Tomato, Earliana	6459	S	S	85	75
Jefferson Feed & Supply, Rochester					
Beans, Improved Goddard	6654	S	S	85	75
Carrot, Danvers Half-Long, No. F1-7556	6652	S	S	..	55
Corn, Stowell's Evergreen, No. B185-857	6655	S	S	90	75
Corn, Lincoln Hybrid, No. B522656	6656	S	S	85	75
Parsnip, Hollow Crown, No. P15-8656	6653	S	S	..	60
Joslin Hardware, Wilton					
Cucumber, Davis Perfect	6880	S	S	85	80
Onion, Prizetaker	6881	S	S	80	70
Nashua Grain Co., Nashua					
Beet, Early Blood	6417	S	S	70	65
Carrot, Long Orange	6418	S	S	75	55
Corn, Gold Rush, Early Hybrid	6419	S	S	80	75
Squash, Early Summer Crookneck	6416	S	S	85	75

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PAGE SEED CO., Greene, N. Y. (continued)					
W. D. Neal Co., Derry					
Beet, Detroit Dark Red	6521	S	S	70	65
Presto Grain Co., Claremont					
Beans, Soldier, No. A55-4057	6954	S	S	85	75
Seavey Hardware Co., Dover					
Cucumber, Early White Spine	6576	S	S	90	80
Wirthmore Feed Co., Charlestown					
Cucumber, Straight 8	6754	S	S	80	80
Lettuce, Salad Bowl	6755	S	S	85	80
Pepper, Early Calwonder	6752	S	S	60	55
Tomato, Pagecross (F_2)	6753	S	S	85	75
PELLETIZED SEED CO., New York, N .Y.					
F. W. Woolworth Co., Laconia					
Carrot, Danvers Half-Long, No. P235	6785	S	S	75	55
Lettuce, White Boston, No. P458	6787	S	S	..	80
Onion, Yellow Globe Danvers, No. P568	6782	S	S	..	70
Pepper, Ruby King, No. P740	6784	S	S	80	55
Tomato, Rutgers, No. P937	6783	S	S	85	75
Tomato, Break-O-Day, No. P896	6786	S	S	..	75
F. W. Woolworth Co., Manchester					
Onion, Danvers Yellow Globe	6403	S	S	85	70
Tomato, Break-O-Day	6402	S	S	85	75
RANDOLPH SEED CO. INC., Randolph, N. Y.					
Lancaster Fruit Co., Lancaster					
Onion, Danvers Yellow Globe	6832	None	S	..	70
Parsnip, Hollow Crown	6831	None	S	..	60
The Royal Store, Newport					
Cucumber, Improved Long Green	6672	None	S	..	80
Escarolle, Broad Leaved Italian	6673	None	47	..	70
Lettuce, Great Lakes	6671	None	S	..	80
Volpe's Store, Plymouth					
Lettuce, Prizehead	6826	None	70	..	80
Onion, White Portugal or Silverskin	6824	None	S	..	70
Onion, Red Wethersfield	6825	None	S	..	70
J. B. RICE, JR., INC., Shushan, N. Y.					
Greenfield General Store, Greenfield					
Beans, Burpee's Stringless Green Pod	6790	S	S	..	75
Cabbage, Danish Ballhead	6793	S	S	..	75
Carrot, Danvers Half-Long	6791	S	S	..	55
Carrot, Chantenay, Red Cored	6792	S	S	..	55
Corn, Golden Cross Bantam	6796	S	S	..	75
Corn, Golden Bantam	6797	S	S	..	75
Lettuce, Prizehead	6794	S	S	..	80
Lettuce, Slobolt	6795	S	S	..	80
E. C. & W. L. Hopkins, Greenfield					
Cucumber, Straight Eight, No. 3307	6858	S	S	..	80
Lettuce, Big Boston Head, No. 3413	6859	S	S	..	80
Onion, Bunching, No. 3521	6862	S	S	..	70
Parsnip, Hollow Crown, No. 3577	6861	S	S	..	60
Tomato, Valiant, No. 3865	6860	S	S	..	75

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Germination Found (Note)	Germination Guaranteed**	Germination N. H. Standard
ROBINSON SEED FARM, Hall, N. Y.					
Burnham & Morrill, Pittsfield					
Corn, Seneca Arrow 1224, Hybrid Sweet	7005	S	S	94	75
Corn, Seneca Golden 1427, Hybrid Sweet	7006	S	S	96	75
ROSS BROS. CO., Worcester, Mass.					
Milligan & Currier, Manchester					
Carrot, Early Chantenay	6444	S	S	..	55
Cucumber, White Spine	6445	S	S	..	80
Onion, Yellow Globe Danvers	6446	S	S	..	70
SEARS, ROEBUCK & CO., Chicago, Ill.					
Sears, Roebuck & Co., Keene					
Cabbage, Copenhagen Market	6525	S	S	80	75
Muskmelon, Honey Rock	6524	S	S	75	75
Onion, Bunching White Portugal	6523	S	S	75	70
Sears, Roebuck & Co., Nashua					
Beet, Detroit Dark Red, 4037	6426	S	S	70	65
Endive, Batavian Full Heart, No. 4132	6423	S	S	70	70
Radish, Early Scarlet Globe, No. 4277	6422	S	S	80	75
Squash, Table Queen (Acorn), No. 4296	6421	S	S	80	75
F. B. SPAULDING CO., Lancaster, N. H.					
F. B. Spaulding Co., Lancaster					
Peas, Freezonian	6937	S	60	85	80
F. H. WOODRUFF & SONS, INC., Milford, Conn.					
Elm City Grain Co., Keene					
Beans, Top Notch Golden Wax	6530	S	S	83	75
Beans, Tendergreen	6532	S	S	82	75
Beans, Kentucky Wonder Pole	6533	S	S	90	75
Corn, Golden Sunshine	6529	S	S	78	75
Corn, Golden Cross Bantam	6534	S	S	81	75
Cucumber, Improved Long Green	6528	S	S	90	80
Parsnip, Hollow Crown	6535	S	22	80	60
Peas, Laxton's Progress	6531	S	S	81	80
Granite State Feed Store, Hillsboro					
Lettuce, Prizehead, No. 40494X16	6696	S	S	90	80
Squash, Early Prolific Straightneck, No. 15128	6695	S	S	90	75
Hayward's Country Store, Laconia					
Cucumber, Straight 8	6731	S	S	90	80
Cucumber, Boston Pickling	6732	S	S	90	80
Pumpkin, Conn. Field	6733	S	S	90	75
Squash, Summer Crookneck	6728	S	S	90	75
Squash, Table Queen	6729	S	S	90	75
Squash, Winter Butternut	6730	S	S	90	75
Merrimack Farmers' Exchange, Bow					
Beans, Kentucky Wonder, Green Pole, No 1-782C	6331	S	S	90	75
Beans, Burpee's Stringless Green Pod, No. O-7259C	6332	S	S	90	75
Beans, Dwarf Hort. Lond Pod, No. 48787C	6333	S	S	90	75
Beans, Black Wax Pencil Pod, No. O-8341	6334	S	S	90	75
Beans, Tenderlong, No. O-8172C	6335	S	S	90	75
Squash, Summer Early Prolific Straightneck, No. 1-5128	6346	S	S	90	75

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F. H. WOODRUFF & SONS, INC., Milford, Conn. (continued)					
Merrimack Farmers' Exchange, Concord					
Beet, Crosby's Egyptian, No. 1625-1	6356	S	S	88	65
Cabbage, Danish Ball Head Short Stem, No. 1-72	6358	S	S	90	75
Cantaloupe, Benders Surprise, No. 18231	6348	S	S	90	75
Carrot, Nantes Strong Top, No. 1-629	6352	S	S	76	55
Corn, Golden Market Early, No. 49256S	6336	S	S	90	75
Corn, Golden Cross Bantam, No. 49259S	6337	S	S	90	75
Corn, Marcross, No. 49238S	6338	S	S	90	75
Corn, Golden Sunshine, No. 49232S	6339	S	S	90	75
Corn, Golden Bantam, Extra Early, No. 49227S	6340	S	S	90	75
Cucumber, Marketer, No. 9-973	6355	S	S	90	80
Endive, Green Curled, No. 46673A1	6349	S	S	82	70
Lima Beans, Bush Fordhook, No. 242, 46852	6347	S	S	87	70
Parsley, Moss Curled, No. 48653	6351	S	S	78	60
Parsnip, Hollow Crown, No. 48349	6350	S	S	90	60
Peas, Little Marvel, No. 5-811S	6341	S	S	87	80
Peas, Laxtonian, No. 48773S	6342	S	S	89	80
Peas, Dwarf Telephone, No. 1-730-1S	6343	S	S	86	80
Peas, World's Record, No. 48774S	6344	S	S	85	80
Peas, Telephone Improved, No. 48764S	6345	S	S	90	80
Radish, Cherry Belle, No. 2-667	6353	S	S	90	75
Swiss Chard, Lucullus, No. 1-79	6354	S	S	88	65
Spinach, King of Denmark, No. 49119	6357	S	S	90	60
J. J. Moreau & Son, Inc., Manchester					
Beans, Burpee's Stringless Green Pod, No. 0-7165CD12	6374	S	S	85	75
Corn, Golden Bantam, No. 49237A12	6373	S	S	90	75
Peas, Thomas Laxton, No. 5-650S12	6375	S	S	86	80
N. H. State Hospital Farm, Concord					
Beans, Dwarf Horticultural Long Pod Idaho, No. 48787C	6429	S	S	90	75
Peavey's Hardware, Portsmouth					
Corn, Golden Bantam 8 Row	6840	S	S	90	75
Wirthmore Feed Co., Tilton					
Beet, Crosby's Egyptian, No. 48538P1	6558	S	S	88	65
Peas, Dwarf Telephone	6554	S	S	82	80
Peas, Improved Telephone	6555	S	S	90	80
Squash, Blue Hubbard	6557	S	S	90	75
Watermelon, N. H. Midget, No. 1-7202CA14	6556	S	S	87	70
WOODRUFF'S TRIPLE "T" SEEDS, INC., Wethersfield, Conn.					
Bibeau's Hardware, Keene					
Lettuce, Iceberg	6520	S	S	80	80
Radish, Scarlet Globe	6518	S	S	75	75
Rutabaga, American Purple Top Yellow	6519	S	S	75	75
Checkerboard Feed Store, Manchester					
Carrot, Hutchinson	6472	S	S	55	55
Cucumber, Improved Long Green	6473	S	S	80	80
Squash, Table Queen	6474	S	S	75	75

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no.426-450

DATE DUE

NOV 4 '64	
MAY 1 9 '65	
Sept 29	
OCT 23 '68	

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